

DECLARATION, POWER OF ATTORNEY, AND PETITION

We, Geoffrey P. MORRIS, Jacqueline C. ROLFS, Leo MEYER, Robert S. MOSHREFZADEH, Hsin-Hsin CHOU, Billy J. TOMPKINS, and Thomas N. DAVIS, declare that: (1) our respective residences, citizenships, and mailing addresses are indicated below; (2) we have reviewed and understand the contents of the specification identified below, including the claims, as amended by any amendment specifically referred to herein, (3) we believe that we are the original, first, and joint inventors or discoverers of the invention or discovery in

GLASS MICROSPHERES FOR USE IN REAR PROJECTION SCREEN DISPLAYS AND METHODS
Filed: 14 May 1999

Serial No.: 09/311,909

described and claimed therein and for which a patent is sought; and (4) we hereby acknowledge our duty to disclose to the Patent and Trademark Office all information known to us to be material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56.*

We hereby appoint Gregory D. Allen (Reg. No. 35,048), Scott A. Bardell (Reg. No. 39,594), Stephen W. Bauer (Reg. No. 32,192), Dale A. Bjorkman (Reg. No. 33,084), Jennie G. Boeder (Reg. No. 28,952), William J. Bond (Reg. No. 32,400), Warren R. Bovee (Reg. No. 26,434), Stephen W. Buckingham (Reg. No. 30,035), John A. Burtis (Reg. No. 39,924), Paul W. Busse (Reg. No. 32,403), Gerald F. Chernivec (Reg. No. 26,537), James D. Christoff (Reg. No. 31,492), David R. Cleveland (Reg. No. 29,524), Philip Y. Dahl (Reg. No. 36,115), Janice L. Dowdall (Reg. No. 31,201), Lisa M. Fagan (Reg. No. 40,601), Gregory J. Feulner (Reg. No. P-41,744), Darla P. Fonseca (Reg. No. 31,783), John A. Fortkort (Reg. No. 38,454), Richard Francis (Reg. No. 25,393), Melanie G. Gover (Reg. No. P-41,793), Gary L. Griswold (Reg. No. 25,396), Doreen S. L. Gwin (Reg. No. 35,580), H. Sanders Gwin (Reg. No. 33,242), Michaela A. Hakamaki (Reg. No. 40,011), Karl G. Hanson (Reg. No. 32,900), Nester F. Ho (Reg. No. 39,460), Jeffrey J. Hohenshell (Reg. No. 34,109), Robert W. Hoke (Reg. No. 29,226), John H. Hornickel (Reg. No. 29,393), Mary Susan Howard (Reg. No. 38,729), Stephen C. Jensen (Reg. No. 35,207), Robert H. Jordan (Reg. No. 31,973), Harold C. Knecht (Reg. No. 35,576), Charles D. Levine (Reg. No. 32,477), Douglas B. Little (Reg. No. 28,439), Eloise J. Maki (Reg. No. 33,418), Lisa M. McGeehan (Reg. No. 41,185), Matthew B. McNutt (Reg. No. 39,766), Michelle M. Michel (Reg. No. 33,968), William D. Miller (Reg. No. 37,988), Peter L. Olson (Reg. No. 35,308), Daniel R. Pastirik (Reg. No. 33,025), David B. Patchett (Reg. No. 39,326), Carolyn V. Peters (Reg. No. 33,271), Terryl K. Qualey (Reg. No. 25,148), Ted K. Ringsred (Reg. No. 35,658), James A. Rogers (Reg. No. 37,228), Daniel C. Schulte (Reg. No. 40,160), Leland D. Schultz (Reg. No. 30,322), Steven E. Skolnick (Reg. No. 33,789), Robert W. Sprague (Reg. No. 30,497), Brian E. Szymanski (Reg. No. 39,523), James J. Trussell (Reg. No. 37,251), F. Andrew Ubel (Reg. No. 36,704), and Lucy C. Weiss (Reg. No. 32,834) our attorneys with full powers (including the powers of appointment, substitution, and revocation) to prosecute this application and any division, continuation, continuation-in-part, reexamination, or reissue thereof, and to transact all business in the Patent and Trademark Office connected therewith. The mailing address and the telephone number of the above-mentioned attorneys are:

Attention: William D. Miller, Esq.
Office of Intellectual Property Counsel
3M Innovative Properties Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427
Telephone No. (612) 733-1500

We further appoint Ann M. Muetting (Reg. No. 33,977), Kevin W. Raasch (Reg. No. 35,651), Mark J. Gebhardt (Reg. No. 35,518), Victoria A. Sandberg (Reg. No. 41,287), Mark A. Hollingsworth (Reg. No. 38,491), Paul B. Simboli (Reg. No. 38,616), David L. Provence (Reg. No. 43,022), and Matthew W. Adams (Reg. No. 43,459) of Muetting, Raasch & Gebhardt, P.A., P.O. Box 581415, Minneapolis, MN 55458-1415, Telephone No. (612) 305-1220, as our attorneys and/or agents with full powers (including the powers of appointment, substitution, and revocation) to prosecute this application and any division, continuation, continuation-in-part, reexamination, or reissue thereof, and to transact all business in the Patent and Trademark Office connected therewith.

The undersigned petitioners declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2025 RELEASE UNDER E.O. 14176

Serial No.: 09/311,909

Filed: 14 May 1999

For: GLASS MICROSPHERES FOR USE IN REAR PROJECTION SCREEN DISPLAYS AND METHODS

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the specification identified above and we hereby subscribe our names to the foregoing specification and claims, Declaration, Power of Attorney and Petition, on the dates indicated below.

Geoffrey P. Morris 11/10/99
Geoffrey P. MORRIS **Date**
Residence: City of White Bear Lake, State of Minnesota
Citizenship: United States of America
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Jacqueline C. Rolfs 11/10/99
Jacqueline C. ROLFS **Date**
Residence: City of River Falls, State of Wisconsin
Citizenship: Germany
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Leo A. Meyer 11/15/99
Leo A. MEYER **Date**
Residence: City of St. Paul, State of Minnesota
Citizenship: United States of America
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Robert S. Moshrefzadeh 11/11/99
Robert S. MOSHREFZADEH **Date**
Residence: City of Oakdale, State of Minnesota
Citizenship: United States of America
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Hsin-Hsin Chou 11/8/99
Hsin-Hsin CHOU **Date**
Residence: City of Woodbury, State of Minnesota
Citizenship: United States of America
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Billy J. TOMPKINS **Date**
Residence: City of Russelville, State of Alabama
Citizenship: United States of America
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

For: GLASS MICROSPHERES FOR USE IN REAR PROJECTION SCREEN DISPLAYS AND METHODS

Name	Date
Thomas N. DAVIS	
Residence: City of Fayette, State of Alabama	
Citizenship: United States of America	
Post Office: P.O. Box 33427	
Address: St. Paul, Minnesota 55133-3427	

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by "1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

Docket 54789USA1A

DECLARATION, POWER OF ATTORNEY, AND PETITION

We, Geoffrey P. MORRIS, Jacqueline C. ROLFS, Leo MEYER, Robert S. MOSHREFZADEH, Hsin-Hsin CHOU, Billy J. TOMPKINS, and Thomas N. DAVIS, declare that: (1) our respective residences, citizenships, and mailing addresses are indicated below; (2) we have reviewed and understand the contents of the specification identified below, including the claims, as amended by any amendment specifically referred to herein, (3) we believe that we are the original, first, and joint inventors or discoverers of the invention or discovery in

GLASS MICROSPHERES FOR USE IN REAR PROJECTION SCREEN DISPLAYS AND METHODS
Filed: 14 May 1999

Serial No.: 09/311,909

described and claimed therein and for which a patent is sought; and (4) we hereby acknowledge our duty to disclose to the Patent and Trademark Office all information known to us to be material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56.*

We hereby appoint Gregory D. Allen (Reg. No. 35,048), Scott A. Bardell (Reg. No. 39,594), Stephen W. Bauer (Reg. No. 32,192), Dale A. Bjorkman (Reg. No. 33,084), Jennie G. Boeder (Reg. No. 28,952), William J. Bond (Reg. No. 32,400), Warren R. Bovee (Reg. No. 26,434), Stephen W. Buckingham (Reg. No. 30,035), John A. Burtis (Reg. No. 39,924), Paul W. Busse (Reg. No. 32,403), Gerald F. Chernivec (Reg. No. 26,537), James D. Christoff (Reg. No. 31,492), David R. Cleveland (Reg. No. 29,524), Philip Y. Dahl (Reg. No. 36,115), Janice L. Dowdall (Reg. No. 31,201), Lisa M. Fagan (Reg. No. 40,601), Gregory J. Feulner (Reg. No. P-41,744), Darla P. Fonseca (Reg. No. 31,783), John A. Fortkort (Reg. No. 38,454), Richard Francis (Reg. No. 25,393), Melanie G. Gover (Reg. No. P-41,793), Gary L. Griswold (Reg. No. 25,396), Doreen S. L. Gwin (Reg. No. 35,580), H. Sanders Gwin (Reg. No. 33,242), Michaela A. Hakamaki (Reg. No. 40,011), Karl G. Hanson (Reg. No. 32,900), Nester F. Ho (Reg. No. 39,460), Jeffrey J. Hohenshell (Reg. No. 34,109), Robert W. Hoke (Reg. No. 29,226), John H. Hornickel (Reg. No. 29,393), Mary Susan Howard (Reg. No. 38,729), Stephen C. Jensen (Reg. No. 35,207), Robert H. Jordan (Reg. No. 31,973), Harold C. Knecht (Reg. No. 35,576), Charles D. Levine (Reg. No. 32,477), Douglas B. Little (Reg. No. 28,439), Eloise J. Maki (Reg. No. 33,418), Lisa M. McGeehan (Reg. No. 41,185), Matthew B. McNutt (Reg. No. 39,766), Michelle M. Michel (Reg. No. 33,968), William D. Miller (Reg. No. 37,988), Peter L. Olson (Reg. No. 35,308), Daniel R. Pastirik (Reg. No. 33,025), David B. Patchett (Reg. No. 39,326), Carolyn V. Peters (Reg. No. 33,271), Terryl K. Qualey (Reg. No. 25,148), Ted K. Ringsred (Reg. No. 35,658), James A. Rogers (Reg. No. 37,228), Daniel C. Schulte (Reg. No. 40,160), Leland D. Schultz (Reg. No. 30,322), Steven E. Skolnick (Reg. No. 33,789), Robert W. Sprague (Reg. No. 30,497), Brian E. Szymanski (Reg. No. 39,523), James J. Trussell (Reg. No. 37,251), F. Andrew Ubel (Reg. No. 36,704), and Lucy C. Weiss (Reg. No. 32,834) our attorneys with full powers (including the powers of appointment, substitution, and revocation) to prosecute this application and any division, continuation, continuation-in-part, reexamination, or reissue thereof, and to transact all business in the Patent and Trademark Office connected therewith. The mailing address and the telephone number of the above-mentioned attorneys are:

Attention: William D. Miller, Esq.
Office of Intellectual Property Counsel
3M Innovative Properties Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427
Telephone No. (612) 733-1500

We further appoint Ann M. Muetting (Reg. No. 33,977), Kevin W. Raasch (Reg. No. 35,651), Mark J. Gebhardt (Reg. No. 35,518), Victoria A. Sandberg (Reg. No. 41,287), Mark A. Hollingsworth (Reg. No. 38,491), Paul B. Simboli (Reg. No. 38,616), David L. Provence (Reg. No. 43,022), and Matthew W. Adams (Reg. No. 43,459) of Muetting, Raasch & Gebhardt, P.A., P.O. Box 581415, Minneapolis, MN 55458-1415, Telephone No. (612) 305-1220, as our attorneys and/or agents with full powers (including the powers of appointment, substitution, and revocation) to prosecute this application and any division, continuation, continuation-in-part, reexamination, or reissue thereof, and to transact all business in the Patent and Trademark Office connected therewith.

The undersigned petitioners declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

09257261-054008

Serial No.: 09/311,909

Filed: 14 May 1999

For: GLASS MICRO

10. CLASS MICROSTYLES FOR USE IN REAR PROJECTION SCREEN DISPLAYS AND METHODS

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the specification identified above and we hereby subscribe our names to the foregoing specification and claims, Declaration, Power of Attorney and Petition, on the dates indicated below.

Geoffrey P. MORRIS **Date**
Residence: City of White Bear Lake, State of Minnesota
Citizenship: United States of America
Post Office P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Jacqueline C. ROLFS **Date**
Residence: City of River Falls, State of Wisconsin
Citizenship: Germany
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Leo A. MEYER **Date**
Residence: City of St. Paul, State of Minnesota
Citizenship: United States of America
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Robert S. MOSHREFZADEH **Date**
Residence: City of Oakdale, State of Minnesota
Citizenship: United States of America
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Hsin-Hsin CHOU **Date**
Residence: City of Woodbury, State of Minnesota
Citizenship: United States of America
Post Office: P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Billy J. TOMPKINS **Date**
Residence: City of Russelville, State of Alabama
Citizenship: United States of America
Post Office P.O. Box 33427
Address: 55123-3427

Thomas R. Davis 11/8/99

Thomas N. DAVIS

Date

Residence: City of Fayette, State of Alabama

Citizenship: United States of America

Post Office: P.O. Box 33427

Address: St. Paul, Minnesota 55133-3427

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

DECLARATION, POWER OF ATTORNEY, AND PETITION

We, Geoffrey P. MORRIS, Jacqueline C. ROLFS, Leo MEYER, Robert S. MOSHREFZADEH, Hsin-Hsin CHOU, Billy J. TOMPKINS, and Thomas N. DAVIS, declare that: (1) our respective residences, citizenships, and mailing addresses are indicated below; (2) we have reviewed and understand the contents of the specification identified below, including the claims, as amended by any amendment specifically referred to herein, (3) we believe that we are the original, first, and joint inventors or discoverers of the invention or discovery in

GLASS MICROSPHERES FOR USE IN REAR PROJECTION SCREEN DISPLAYS AND METHODS
Filed: 14 May 1999

Serial No.: 09/311,909

described and claimed therein and for which a patent is sought; and (4) we hereby acknowledge our duty to disclose to the Patent and Trademark Office all information known to us to be material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56.*

We hereby appoint Gregory D. Allen (Reg. No. 35,048), Scott A. Bardell (Reg. No. 39,594), Stephen W. Bauer (Reg. No. 32,192), Dale A. Bjorkman (Reg. No. 33,084), Jennie G. Boeder (Reg. No. 28,952), William J. Bond (Reg. No. 32,400), Warren R. Bovee (Reg. No. 26,434), Stephen W. Buckingham (Reg. No. 30,035), John A. Burtis (Reg. No. 39,924), Paul W. Busse (Reg. No. 32,403), Gerald F. Chernivec (Reg. No. 26,537), James D. Christoff (Reg. No. 31,492), David R. Cleveland (Reg. No. 29,524), Philip Y. Dahl (Reg. No. 36,115), Janice L. Dowdall (Reg. No. 31,201), Lisa M. Fagan (Reg. No. 40,601), Gregory J. Feulner (Reg. No. P-41,744), Darla P. Fonseca (Reg. No. 31,783), John A. Fortkort (Reg. No. 38,454), Richard Francis (Reg. No. 25,393), Melanie G. Gover (Reg. No. P-41,793), Gary L. Griswold (Reg. No. 25,396), Doreen S. L. Gwin (Reg. No. 35,580), H. Sanders Gwin (Reg. No. 33,242), Michaela A. Hakamaki (Reg. No. 40,011), Karl G. Hanson (Reg. No. 32,900), Nester F. Ho (Reg. No. 39,460), Jeffrey J. Hohenshell (Reg. No. 34,109), Robert W. Hoke (Reg. No. 29,226), John H. Hornickel (Reg. No. 29,393), Mary Susan Howard (Reg. No. 38,729), Stephen C. Jensen (Reg. No. 35,207), Robert H. Jordan (Reg. No. 31,973), Harold C. Knecht (Reg. No. 35,576), Charles D. Levine (Reg. No. 32,477), Douglas B. Little (Reg. No. 28,439), Eloise J. Maki (Reg. No. 33,418), Lisa M. McGeehan (Reg. No. 41,185), Matthew B. McNutt (Reg. No. 39,766), Michelle M. Michel (Reg. No. 33,968), William D. Miller (Reg. No. 37,988), Peter L. Olson (Reg. No. 35,308), Daniel R. Pastirik (Reg. No. 33,025), David B. Patchett (Reg. No. 39,326), Carolyn V. Peters (Reg. No. 33,271), Terryl K. Qualey (Reg. No. 25,148), Ted K. Ringsred (Reg. No. 35,658), James A. Rogers (Reg. No. 37,228), Daniel C. Schulte (Reg. No. 40,160), Leland D. Schultz (Reg. No. 30,322), Steven E. Skolnick (Reg. No. 33,789), Robert W. Sprague (Reg. No. 30,497), Brian E. Szymanski (Reg. No. 39,523), James J. Trussell (Reg. No. 37,251), F. Andrew Ubel (Reg. No. 36,704), and Lucy C. Weiss (Reg. No. 32,834) our attorneys with full powers (including the powers of appointment, substitution, and revocation) to prosecute this application and any division, continuation, continuation-in-part, reexamination, or reissue thereof, and to transact all business in the Patent and Trademark Office connected therewith. The mailing address and the telephone number of the above-mentioned attorneys are:

Attention: William D. Miller, Esq.
Office of Intellectual Property Counsel
3M Innovative Properties Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427
Telephone No. (612) 733-1500

We further appoint Ann M. Muetting (Reg. No. 33,977), Kevin W. Raasch (Reg. No. 35,651), Mark J. Gebhardt (Reg. No. 35,518), Victoria A. Sandberg (Reg. No. 41,287), Mark A. Hollingsworth (Reg. No. 38,491), Paul B. Simboli (Reg. No. 38,616), David L. Provence (Reg. No. 43,022), and Matthew W. Adams (Reg. No. 43,459) of Muetting, Raasch & Gebhardt, P.A., P.O. Box 581415, Minneapolis, MN 55458-1415, Telephone No. (612) 305-1220, as our attorneys and/or agents with full powers (including the powers of appointment, substitution, and revocation) to prosecute this application and any division, continuation, continuation-in-part, reexamination, or reissue thereof, and to transact all business in the Patent and Trademark Office connected therewith.

The undersigned petitioners declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Serial No.: 09/311,909

Filed: 14 May 1999

For: GLASS MICROSpheres FOR USE IN REAR PROJECTION SCREEN DISPLAYS AND METHODS

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the specification identified above and we hereby subscribe our names to the foregoing specification and claims, Declaration, Power of Attorney and Petition, on the dates indicated below.

Geoffrey P. MORRIS	Date
Residence: City of White Bear Lake, State of Minnesota	
Citizenship: United States of America	
Post Office P.O. Box 33427	
Address: St. Paul, Minnesota 55133-3427	

Jacqueline C. ROLFS	Date
Residence: City of River Falls, State of Wisconsin	
Citizenship: Germany	
Post Office P.O. Box 33427	
Address: St. Paul, Minnesota 55133-3427	

Leo A. MEYER	Date
Residence: City of St. Paul, State of Minnesota	
Citizenship: United States of America	
Post Office P.O. Box 33427	
Address: St. Paul, Minnesota 55133-3427	

Robert S. MOSHREFZADEH	Date
Residence: City of Oakdale, State of Minnesota	
Citizenship: United States of America	
Post Office P.O. Box 33427	
Address: St. Paul, Minnesota 55133-3427	

Hsin-Hsin CHOU	Date
Residence: City of Woodbury, State of Minnesota	
Citizenship: United States of America	
Post Office P.O. Box 33427	
Address: St. Paul, Minnesota 55133-3427	

Billy Joe Tompkins 11-8-99
Billy J. TOMPKINS **Date**
Residence: City of Russelville, State of Alabama
Citizenship: United States of America
Post Office P.O. Box 33427
Address: St. Paul, Minnesota 55133-3427

Thomas N. DAVIS	Date
Residence: City of Fayette, State of Alabama	
Citizenship: United States of America	
Post Office P.O. Box 33427	
Address: St. Paul, Minnesota 55133-3427	

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by "1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.